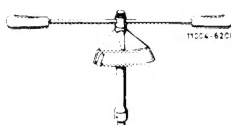


Tightening torques	Nm	(kpm)
Central bolt for oil filter cover (1st version)	20–25	(2.0–2.5)
Nuts for oil filter cover (2nd version)		
Valve seat ring in oil filter housing (model 123.1)	40	(4)
Closing plug in oil filter housing (model 115.1)		

Special tools

Torque wrench 3/8" square,
8–32 Nm (80–320 kpcm)



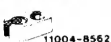
001 589 51 21 00

Socket 1/2" square for valve seat
ring



617 589 01 03 00

Box wrench open, 12 mm, 3/8" square



617 589 01 03 00

Note

The following engines are provided with a thermostat in oil filter:

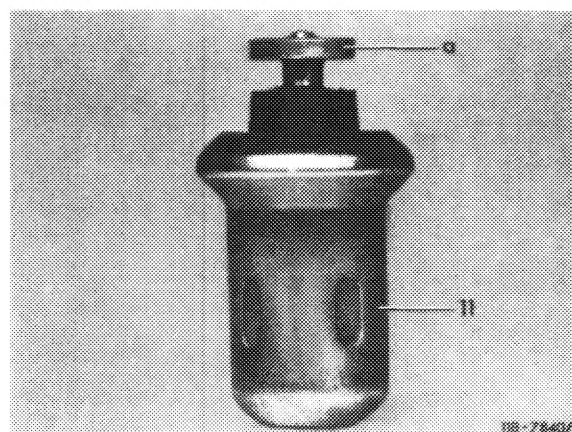
Engine 615 in model 123.1 on vehicles with air conditioning system.

Engine 616 in model 123.1 up to August 1978 generally and starting August 1978 on vehicles with air conditioning system only.

Engine 617 in models 115.1 and 123.1 generally.

Remove functioning thermostat only at temperatures below 60°C, since otherwise the thrust pin (a) will be pushed out.

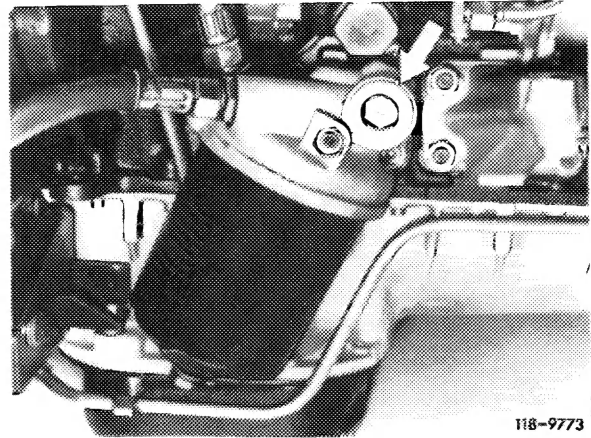
Never pull thrust pin (a) out of wax thermostat, since otherwise proper function will not be guaranteed any longer.



A. Engine 617 in model 115.1

Removal

- 1 Unscrew closing plug (arrow).
- 2 Remove thermostat with control valve and compression spring.



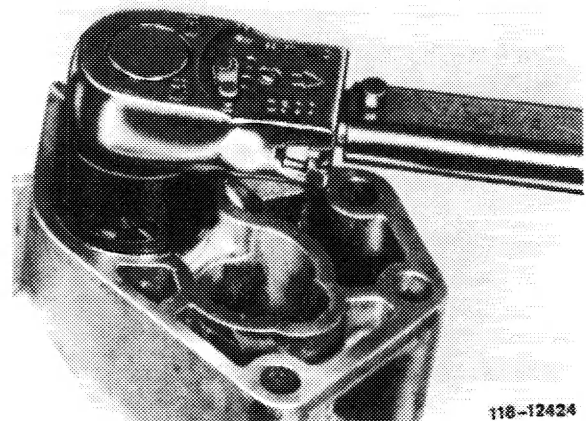
Installation

- 3 Insert thermostat with control valve and compression spring.
- 4 Screw-in closing plug with new sealing ring
- 5 Check oil level

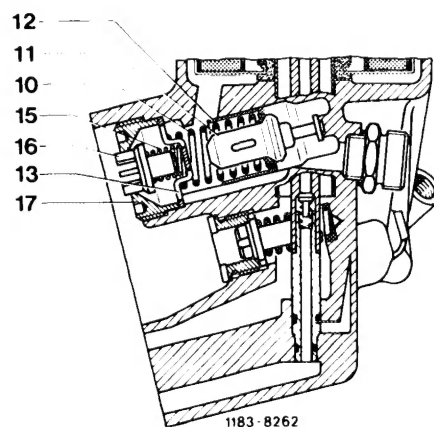
B. Engine 615, 616, 617 in model 123.1

Removal

- 1 Remove oil filter (18-110).
- 2 Unscrew valve seat ring (17) with wrench socket.



- 3 Remove start valve (16), spring retainer (13) and compression spring (15).
- 4 Remove thermostat (11) with control valve (12) and compression spring (10).



- | | |
|-----------------------|-----------------------|
| 10 Compression spring | 15 Compression spring |
| 11 Thermostat | 16 Star valve |
| 12 Control valve | 17 Valve seat ring |
| 13 Spring retainer | |

Installation

5 Insert thermostat (11) with control valve (12) and compression spring (10).

6 Insert spring retainer (13), compression spring (15) and star valve (16).

7 Position valve seat ring and tighten to 40 Nm (4 kpm) with wrench.

8 Peen valve seat ring in both recesses on oil filter housing (arrows) by means of a crosscut chisel.

9 Install oil filter with new gasket.

10 Correct oil level.

